

CLAIMS

1. A master disc carrying specific information according to an array of
ferromagnetic films on a base surface, the master disc being used for
5 recording a magnetized pattern corresponding to the array of the
ferromagnetic films in a magnetic disc through application of a magnetic field
with the master disc closely contacting the magnetic disc, and provided on
one principal plane with a radial land portion where the array of the
ferromagnetic film is formed and a concave portion against the land portion,
10 wherein the land portion and the concave portion are formed such that the
land portion is joined with the surface of the magnetic disc while the concave
portion is not contacted with the surface of the magnetic disc when the
magnetic disc is overlapped on the principal plane, and a space surrounded
by the surface of the magnetic disc and the concave portion is open to air at a
15 peripheral end portion of the magnetic disc.

2. The master disc according to claim 1, wherein the land portion is
formed to reach an area outside a position corresponding to the peripheral
end portion of the magnetic disc when the magnetic disc is overlapped on the
20 principal plane.

3. The master disc according to claim 1, wherein the land portion is
formed to be inward of a position corresponding to the peripheral end portion
of the magnetic disc when the magnetic disc is overlapped on the principal
25 plane.

4. The master disc according to claim 1, wherein the land portion is
formed to be outward of a position corresponding to an internal
circumferential end portion of the magnetic disc when the magnetic disc is
30 overlapped on the principal plane.

5. The master disc according to claim 1, wherein a diameter of the
master disc is larger than that of the magnetic disc.

6. The master disc according to claim 1, wherein the difference in level
35 between the land portion and the concave portion is in the range between 3
micrometers and 100 micrometers.

7. The master disc according to claim 1, wherein the difference in level between the land portion and the concave portion is in the range between 3 micrometers and 50 micrometers.

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8. The master disc according to claim 1, wherein, in the case where the magnetic disc is a 3.5 inch hard disc, an inner diameter of an area on the principal plane where the land portion is formed radially is in the range between 25.1mm and 28.0mm and an outer diameter of the area is in the

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9. The master disc according to claim 8 having an outer diameter in the range between 99.5mm and 100.0mm.

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10. A method for manufacturing a magnetic disc comprising: overlapping a master disc according to any one of claims 1 to 9 on a magnetic disc, applying a magnetic field while generating airflow in a space formed by the magnetic disc and the concave portion of the master disc by exhausting from a central side of the magnetic disc and performing a preformat recording of a magnetized pattern corresponding to the array of the ferromagnetic film of the master disc in the magnetic disc.

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